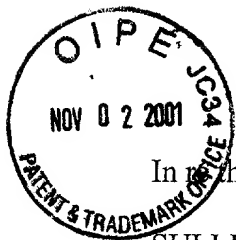


SECTOR  
#

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

SULLIVAN

Serial No.: 09/925,011

Filed: August 9, 2001

For: FREQUENCY TRANSLATOR USING A  
CORDIC PHASE ROTATOR

Art Unit: 3662

Examiner: Not Yet Assigned

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF NON PROVISIONAL  
APPLICATION FILED UNDER 37 CFR 1.53(b) - FILING DATE GRANTED**Box: Missing Parts  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notice to File Missing Parts of Non Provisional Application Filed

Under 37 C.F.R. 1.53(b) mailed September 14, 2001, copy attached, applicants are submitting  
herewith:

- ☒ Declaration and Power of Attorney for Patent Application signed by Applicant;
- ☒ 8 sheets of drawings in compliance with applicable regulations;
- ☐ Other: \_\_\_\_\_;
- ☐ Check in the amount of \_\_\_\_\_ to cover the required fees for submission of these documents;
- ☒ The Commissioner is hereby authorized to charge the amount of \$65.00 to Deposit Account 50-1390 to cover the required fees for submission of these documents, and a copy of this authorization is attached.

Serial No.: 09/925,011  
Art Unit: 3662  
Attorney's Docket No.: EYE-103

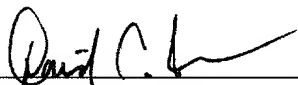
The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account 50-1390.

It is respectfully submitted that the application is now complete and it is respectfully requested that the subject application be placed upon the files for examination.

Respectfully submitted,

SULLIVAN

By:

  
\_\_\_\_\_  
David C. Isaacson  
Registration No. 38,500

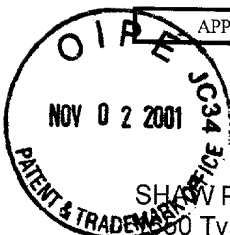
SHAW PITTMAN LLP  
1650 Tysons Boulevard  
McLean, VA 22102  
Tel: 703/770-7646

Date: November 2, 2001



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov



| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/925,011         | 08/09/2001          | Mark C. Sullivan      | EYE-103                |

CONFIRMATION NO. 3597

## FORMALITIES LETTER



\*OC000000006544549\*

SHAW PITTMAN  
60 Tysons Boulevard  
McLean, VA 22102

Date Mailed: 09/14/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 65.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

11/05/2001 JBALIAN 00000051 501390 09325011

01 FC:205 65.36 LN

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

| Parameter               | Value | Unit              |
|-------------------------|-------|-------------------|
| Temperature             | 25.0  | °C                |
| Pressure                | 1.0   | atm               |
| Flow rate               | 1.0   | L/min             |
| Sample concentration    | 0.1   | g/L               |
| Sample volume           | 1.0   | L                 |
| Sample weight           | 0.1   | g                 |
| Sample size             | 0.1   | mm                |
| Sample shape            | 0.1   | mm                |
| Sample color            | 0.1   | mm                |
| Sample texture          | 0.1   | mm                |
| Sample density          | 0.1   | g/cm <sup>3</sup> |
| Sample viscosity        | 0.1   | Pa·s              |
| Sample conductivity     | 0.1   | S/cm              |
| Sample refractive index | 0.1   | mm                |
| Sample absorbance       | 0.1   | mm                |
| Sample transmittance    | 0.1   | mm                |
| Sample reflectance      | 0.1   | mm                |
| Sample emissivity       | 0.1   | mm                |
| Sample permeability     | 0.1   | mm                |
| Sample porosity         | 0.1   | mm                |
| Sample surface area     | 0.1   | mm <sup>2</sup>   |
| Sample volume fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
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| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
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| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
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| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
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| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
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| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction    | 0.1   | mm <sup>3</sup>   |
| Sample mass fraction    | 0.1   | mm <sup>3</sup>   |
| Sample molar fraction   | 0.1   | mm <sup>3</sup>   |
| Sample weight fraction  | 0.1   | mm <sup>3</sup>   |
| Sample mole fraction</  |       |                   |